Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/16/2022 08:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124952	-1	1.47	124833	1.48
Blue	F	SSC	125000	124501	-1	2.89	124918	2.78
Blue	E	FITC	13602	13225	-3	2.36	369	13.79
Blue	D	PE	24891	24504	-2	1.74	582	10.20
Blue	B	PerCP-Cy5-5	33972	33444	-2	3.05	953	14.25
Blue	A	PE-Cy7	22865	22899	0	4.86	480	29.56
Red	C	APC	47198	46340	-2	2.58	1599	11.35
Red	A	APC-Cy7	26454	25626	-4	3.03	723	12.17
Violet	B	V450	6737	6469	-4	3.24	451	11.06
Violet	A	V500	29317	28072	-5	2.68	960	8.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24066	2.47	533	-2	N/A	N/A	Pass
Blue	F	SSC	55994	2.04	516	-5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0395	46	Pass
Blue	D	PE	113	39.41	487	1	0.4947	413	Pass
Blue	B	PerCP-Cy5-5	150	40.95	580	1	0.0225	122	Pass
Blue	A	PE-Cy7	80	79.42	623	2	0.0239	9	Pass
Red	C	APC	335	25.16	571	-1	0.0285	145	Pass
Red	A	APC-Cy7	133	35.04	549	-2	0.0066	1416	Pass
Violet	B	V450	77	47.27	444	-6	0.0682	2961	Pass
Violet	A	V500	113	32.29	463	-6	0.0245	1003	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.80	-31.57	1.12
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.96	13.90 - 20.86	N/A	N/A	29.97	30.23	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9807

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments